

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2013 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>MA0017</b>	Overall LMA Rating	Total LMA Miles						
<b>Sutter Maintenance Yard Maintenance Area 0017</b>	<b>U</b>	<b>3.90</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		3.13	12.52	321.03%				3.90
Trim / Thin Trees		3.12	12.48	320.00%				
Encroachments					0.01			
<i>Supplemental</i>								
DWR UCIP Field Study					0.19	0.07		
<i>LMA Totals:</i>	0.00	6.25	25.00	641.03%	0.20	0.07	0.00	3.90

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2013 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0017**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway			Bank	Unit Miles
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek			Left	3.90
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/13/2013 - 03/13/2013		10/11/2013 - 10/11/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff Sutter Maintenance Yard	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

## Levee Inspection Report By Mile - Fall 2013

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek						Left	3.90	10/11/2013 10/11/2013	Bob Duffey	
LWR No.	Levee Mile		Category	Item	* Location	Rating + -	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	7
								DWR ID: DWR_MA0017_01_s_ 2013_7		
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	8
								DWR ID: DWR_MA0017_01_s_ 2013_8		
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	9
								DWR ID: DWR_MA0017_01_s_ 2013_9		
4	3.42	7.32	Earthen Levee	Vegetation	LS	U Ob	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.149126 ° -122.912345 °	39.118708 ° -122.884834 °	3 °
								DWR ID: DWR_MA0017_01_s_ 2012_3		
5	3.97	3.97	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:8520 EP_NO: 11463 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate broken in half and inoperable. FIELD_STRUCT_DESC: 24-inch CMP drainpipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Timber walkway on the landward slope to a timber walkway to pump house mounted on piles in drainage ditch (USCE 1959). (ABO No.11463-Heleger). O&M manual vol. 5, revision 2010. FS Date: 12/13/2012 9:09:40 AM	39.143792 ° -122.904798 °	39.143792 ° -122.904798 °	34 Y
								DWR ID: DWR_MA0017_01_f_ 2013_34		
6	4.18	7.30	Earthen Levee	Trim / Thin Trees	WS	U Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	39.142155 ° -122.902343 °	39.118735 ° -122.884892 °	2 Y
								DWR ID: DWR_MA0017_01_s_ 2012_2		
7	4.18	7.31	Earthen Levee	Vegetation	WS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.142155 ° -122.902343 °	39.118675 ° -122.884772 °	1 Y
								DWR ID: DWR_MA0017_01_s_ 2012_1		
8	4.28	4.28	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:8524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No lid on riser-may or may not be an issue. FIELD_STRUCT_DESC: 24-inch CMP drainpipe through the levee, 19 feet below the crown. Slide gate in 36-inch CMP riser on the waterward slope (USCE 1909). FS Date: 12/13/2012	39.140422 ° -122.902022 °	39.140422 ° -122.902022 °	35
								DWR ID: DWR_MA0017_01_f_ 2013_35		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Accepted but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
9	4.28	4.28	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16867 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No lid on riser-may or may not be an issue.8/2/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CMP drainpipe through the levee, 19 feet below the crown. Slide gate in 36-inch CMP riser on the waterward slope (USCE 1909). FS Date: 8/5/2013 7:01:10 AM	39.140422 ° -122.902022 °	39.140422 ° -122.902022 °	36 Y
DWR ID: DWR_MA0017_01_f_2013_36										
10	5.07	5.07	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard has mowed the landside slope & berm.	39.130896 ° -122.896643 °	39.130896 ° -122.896643 °	61 Y
DWR ID: DWR_MA0017_01_f_2013_61										
11	5.38	5.38	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16872 EP_NO: 11469 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue.8/2/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 36-inch steel drainpipe through the levee, 5.0 feet below the crown. Flap gate and air vent on the waterward slope. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 8/5/2013 7:05:03 AM	39.127451 ° -122.893450 °	39.127451 ° -122.893450 °	37
DWR ID: DWR_MA0017_01_f_2013_37										
12	5.38	5.38	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8525 EP_NO: 11469 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue. FIELD_STRUCT_DESC: 1 of 2: 16 inch steel drainpipe through the levee 5-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 12/13/2012	39.127449 ° -122.893460 °	39.127449 ° -122.893460 °	38
DWR ID: DWR_MA0017_01_f_2013_38										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

13	5.38	5.38	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8528 EP_NO: 11469 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue. FIELD_STRUCT_DESC: 1 of 2: 16 inch steel drainpipe through the levee 5-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 12/13/2012	39.127449 ° -122.893460 °	39.127449 ° -122.893460 °	39
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DWR ID: DWR\_MA0017\_01\_f\_2013\_39

14	5.38	5.38	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16868 EP_NO: 11469 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue.8/2/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 16 inch steel drainpipe through the levee 5-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 8/5/2013 7:01:53 AM	39.127449 ° -122.893460 °	39.127449 ° -122.893460 °	40 Y
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DWR ID: DWR\_MA0017\_01\_f\_2013\_40

15	5.38	5.38	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16869 EP_NO: 11469 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue.8/2/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 36-inch steel drainpipe through the levee, 5.0 feet below the crown. Flap gate and air vent on the waterward slope. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 12/13/2012	39.127451 ° -122.893450 °	39.127451 ° -122.893450 °	41
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DWR ID: DWR\_MA0017\_01\_f\_2013\_41

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0017

DWR ID: DWR\_MA0017\_01\_f\_2013\_43

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	5.81	5.81	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16870 EP_NO: 11457 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No cover on CMP riser and no handle for actuating gate. This may or may not be an issue.8/2/2013 Handle to operate gate was in place but still no cover on riser. FIELD_STRUCT_DESC: 24-inch drainpipe under patrol road and through the levee, 13.5 feet below the crown. Concrete "U" shaped headwall on the landward end. Slide gate in 36-inch CMP riser on the waterward slope. Riser unit is mounted on concrete base. (ABO No.11457-Crawford). O&M manual Vol. 5, Revision Year 2010 FS Date: 8/5/2013 7:03:13 AM	39.127612 ° -122.885520 °	39.127612 ° -122.885520 °	44 Y
DWR ID: DWR_MA0017_01_f_2013_44										
20	6.02	6.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8769 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit for crossing. FIELD_STRUCT_DESC: 12-inch HDPE storm drain pipe through the crown of the levee 1.5-feet below the crown. FS Date: 10/16/2012	39.126057 ° -122.883096 °	39.126057 ° -122.883096 °	45
DWR ID: DWR_MA0017_01_f_2013_45										
21	6.02	6.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit for crossing. FIELD_STRUCT_DESC: 12-inch HDPE storm drain pipe through the crown of the levee 1.5-feet below the crown. FS Date: 12/13/2012	39.126057 ° -122.883096 °	39.126057 ° -122.883096 °	46
DWR ID: DWR_MA0017_01_f_2013_46										
22	6.02	6.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16874 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit for crossing.8/2/2013 Same as last inspection. FIELD_STRUCT_DESC: 12-inch HDPE storm drain pipe through the crown of the levee 1.5-feet below the crown. FS Date: 8/5/2013 7:06:48 AM	39.126057 ° -122.883096 °	39.126057 ° -122.883096 °	47
DWR ID: DWR_MA0017_01_f_2013_47										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
23	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:16875 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 8/5/2013 7:07:36 AM	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	48
DWR ID: DWR_MA0017_01_f_2013_48										
24	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:16876 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 8/5/2013 7:08:17 AM	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	49
DWR ID: DWR_MA0017_01_f_2013_49										
25	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:16877 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. This is a primer line, used to fill up main pipe before its pump is turned on (Permit No. 11467).8/2/2013 Erosion on WS shoulder above pipes. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with plastic pipe running through it to pump on LS. FS Date: 8/5/2013 7:09:29 AM	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	50
DWR ID: DWR_MA0017_01_f_2013_50										
26	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 12/13/2012	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	51 Y
DWR ID: DWR_MA0017_01_f_2013_51										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
27	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:16878 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 8/5/2013 7:10:38 AM	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	52
DWR ID: DWR_MA0017_01_f_2013_52										
28	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:16879 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 8/5/2013 7:11:11 AM	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	53
DWR ID: DWR_MA0017_01_f_2013_53										
29	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:16880 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. This is a primer line, used to fill up main pipe before its pump is turned on (Permit No. 11467).8/2/2013 Erosion on WS shoulder above pipes. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with plastic pipe running through it to pump on LS. FS Date: 8/5/2013 7:11:42 AM	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	54
DWR ID: DWR_MA0017_01_f_2013_54										
30	6.03	6.03	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8771 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit for this crossing. This is a primer line, used to fill up main pipe before its pump is turned on (Permit No. 11467). FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with plastic pipe running through it to pump on LS. FS Date: 12/13/2012	39.126038 ° -122.883351 °	39.126038 ° -122.883351 °	55
DWR ID: DWR_MA0017_01_f_2013_55										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
31	6.03	6.03	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:8532 EP_NO: 11467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe and appurtenances do not match what was described in the permit (PN: 11467). Does not appear to be in compliance with board regulations. FIELD_STRUCT_DESC: 12-inch drainpipe through the levee, 2-feet below the crown. Butterfly Valve on the landward shoulder. Pump and electric panel along with multiple valves and appurtenances on LS shoulder. (ABO No.11467-Modglin). O&M manual Vol. 5, Revision Year 2010. FS Date: 12/13/2012	39.126027 ° -122.883371 °	39.126027 ° -122.883371 °	56
DWR ID: DWR_MA0017_01_f_2013_56										
32	6.03	6.03	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:16881 EP_NO: 11467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe and appurtenances do not match what was described in the permit (PN: 11467). Does not appear to be in compliance with board regulations.8/2/2013 Same as last inspection. FIELD_STRUCT_DESC: 12-inch drainpipe through the levee, 2-feet below the crown. Butterfly Valve on the landward shoulder. Pump and electric panel along with multiple valves and appurtenances on LS shoulder. (ABO No.11467-Modglin). O&M manual Vol. 5, Revision Year 2010. FS Date: 8/5/2013 7:13:20 AM	39.126027 ° -122.883371 °	39.126027 ° -122.883371 °	57
DWR ID: DWR_MA0017_01_f_2013_57										
33	6.08	6.08	Earthen Levee	Encroachments	CR	M En	PI : Pipe	39.126003 ° -122.883353 °	39.126003 ° -122.883353 °	5 Y
DWR ID: DWR_MA0017_01_s_2013_5										
34	7.19	7.19	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:8533 EP_NO: 11467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be properly abandoned. FIELD_STRUCT_DESC: 1 of 2: *Abandoned* 16-inch Steel drainpipe through the levee 8-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. Steel plate welded on end of pipe at LS toe. (ABO No.11467- Modglin). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 7.19). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010 FS Date: 12/13/2012	39.120083 ° -122.886502 °	39.120083 ° -122.886502 °	58 Y
DWR ID: DWR_MA0017_01_f_2013_58										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
35	7.19	7.19	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:16882 EP_NO: 11467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be properly abandoned.8/2/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: *Abandoned* 16-inch Steel drainpipe through the levee 8-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. Steel plate welded on end of pipe at LS toe. (ABO No.11467- Modglin). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 7.19). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010 FS Date: 8/5/2013 7:13:51 AM	39.120083 ° -122.886502 °	39.120083 ° -122.886502 °	59

DWR ID: DWR\_MA0017\_01\_f\_2013\_59

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	3.97
End Levee Mile	3.97
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Pumphouse on piles at LS toe.

UCIP\_4800.jpg



Levee Mile Report Line	6
Start Levee Mile	4.18
End Levee Mile	7.30
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of the trees on the waterside slope of the Levee.

rduffey\_f\_20130919\_823.jpg



Levee Mile Report Line	7
Start Levee Mile	4.18
End Levee Mile	7.31
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of the six-foot crown levee & heavy vegetation on waterside slope.

rduffey\_f\_20130919\_822.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

Levee Mile Report Line	9
Start Levee Mile	4.28
End Levee Mile	4.28
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Slide gate in CMP riser on WS slope.

UCIP\_9755.jpg



Levee Mile Report Line	10
Start Levee Mile	5.07
End Levee Mile	5.07
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the mowed landside slope & berm.

rduffey\_f\_20131015\_079.JPG



Levee Mile Report Line	14
Start Levee Mile	5.38
End Levee Mile	5.38
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Pumping plant, pipes, and ring levees on LS toe.

UCIP\_9757.jpg



**\* Location**

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CR : Crown

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

Levee Mile Report Line	17
Start Levee Mile	5.45
End Levee Mile	5.45
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the landside slope & berm.

rduffey\_f\_20131015\_080.JPG



Levee Mile Report Line	19
Start Levee Mile	5.81
End Levee Mile	5.81
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

36-inch CMP riser and slide gate on WS slope.

UCIP\_9761.jpg



Levee Mile Report Line	26
Start Levee Mile	6.03
End Levee Mile	6.03
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Pump station on LS shoulder, see hydraulic pump at right.

UCIP\_5013.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0017**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.90	10/11/2013 10/11/2013	Bob Duffey

Levee Mile Report Line	33
Start Levee Mile	6.08
End Levee Mile	6.08
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the non-permitted pump and pipe through the levee.

rduffey\_f\_20130919\_824.JPG



Levee Mile Report Line	34
Start Levee Mile	7.19
End Levee Mile	7.19
Location	Crown
Category	Supplemental
Item	DWR UCIP Field Study

Pumping plant in shed on LS at drainage ditch.

UCIP\_4816.jpg



**\* Location**

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CR : Crown

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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